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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,090	08/04/2003	Norio Minamitani	1692-031185	6732
28289	7590	10/27/2005	EXAMINER	
THE WEBB LAW FIRM, P.C. 700 KOPPERS BUILDING 436 SEVENTH AVENUE PITTSBURGH, PA 15219			CHARLES, MARCUS	
			ART UNIT	PAPER NUMBER
			3682	

DATE MAILED: 10/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/634,090

Applicant(s)

MINAMITANI, NORIO

Examiner

Marcus Charles

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 August 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/23/2004.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

This is the first action relating to serial application number 10/634,090 filed 08-04-2003.

Claims 1-5 are currently pending.

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the drawing does not show the pulley side-fitting portion extends farther than the position of the end edge of the outer periphery of the pulley.

In claim 3, the drawing fails to show the pulley being formed within an imaginary range surround by a first imaginary plane passing one end edge of the outer periphery of the pulley must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement-drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate

changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the examiner does not accept the changes, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

5. Claim 4 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. In claim 3, the specification does not provide any detail description of the claimed invention and one of ordinary skill in the art would not be able to provide the pulley being formed within an imaginary range surround by a first imaginary plane passing one end edge of the outer periphery of the pulley.

6. Claims 1-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 1, it is not clear as to what is meant by the pulley side portion extends in the direction of the rotational axis. It is not clear if "the direction" means the direction is parallel to the direction of the pulley rotational axis or in a direction to meet the pulley rotational axis. In addition, it is not clear how the pulley side-fitting portion extends farther than the position of the end edge and toward the end edge.

Claim Objections

7. Claim 5 is objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim must not dependent from another multiple dependent claim. See MPEP § 608.01(n). Accordingly, the claim is not been further treated on the merits.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 1-2, as understood, are rejected under 35 U.S.C. 103(a) as being unpatentable over Ozawa et al. (6,764,272) in view of Uryu et al. (6,663,521). In claim 1, as understood, Ozawa et al. discloses a rotational transmitting device comprising a pulley (11) connected to a shaft (12) so as to rotate together as one unit; a supporter for supporting the pulley rotatably through a bearing such that the supporter fits on the

outside of the inner bearing race (14), a pulley fitting portion for fitting the outside of the outside the outer bearing race such that the supporter supports the pulley fitting portion with the pulley; the pulley fitting portion extends in a direction parallel to the rotational axis. Ozawa et al. does not disclose the pulley-fitting portion extends from the center of the pulley towards the axial side surface of the pulley. Uryu et al. discloses a rotation device having a pulley a pulley-fitting portion extending substantially from the center of the pulley towards the axial side surface thereof. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the pulley of Ozawa et al. so that the pulley-fitting portion extends substantially from the center of the pulley towards the axial side surface thereof in view of Uryu et al. in order to reduce the radial loading on the pulley.

In claim 2, note the outside of the outside bearing race is fitted on the pulley side fitting portion.

10. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ozawa et al. in view of Uryu et al. as applied to claim 1 above, and further in view of Ernst et al. (3,981,610). Ozawa et al. in and Uryu et al. do not disclose the outside of the bearing is fitted onto the support side fitting portion and the inside of the bearing is fitted into the pulley side fitting portion. Ernest et al. discloses the claimed invention in order to reduce assembling, to provide a well-balanced and smooth operation of the bearing. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to further modify the device of Ozawa et al. to include the limitations of Ernest et al. in

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order to reduce assembling, to provide a well balanced and smooth operation of the bearing.


Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Little (2,568,646), Beare et al. (3,536,412), Rameu (3,871,790) and Kunket et al. (4,955, 786 and 4,966,572) disclose a rotation device with a pulley fitted on the outer race of a bearing and a support fitted on the inner race of the bearing.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marcus Charles whose telephone number is (571) 272-7101. The examiner can normally be reached on Monday-Thursday 7:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ridley Richard can be reached on (571) 272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Marcus Charles
Primary Examiner
AU: 3682
OCTOBER 17, 2005